INTERNATIONAL SEARCH REPORT

Intertional Application No PCT/IB2004/050806

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B26B19/40 B26B B26B19/14 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system tollowed by classification symbols) **B26B** IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category * 1,14-16, US 2002/092173 A1 (AITINK ALBERT JAN ET X 19,21,22 AL) 18 July 2002 (2002-07-18) page 2, paragraph 23; figures 2-4 page 2, paragraphs 27-30; figures 6-8 US 2002/004986 A1 (HACZEK WERNER ET AL) 1,14,15 X 17 January 2002 (2002-01-17) page 2, paragraph 34 -page 3, paragraph 36; figures 4-6 1,2 US 2002/083591 A1 (HAITES SJOERD ET AL) A 4 July 2002 (2002-07-04) page 1, paragraphs 13,14; figures 2,3 1 US 2 183 554 A (EVANS JAMES C) Α 19 December 1939 (1939-12-19) the whole document Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international fliing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance Invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'E' earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or *P* document published prior to the international filing date but later than the priority date claimed "A" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 23/08/2004 17 August 2004 **Authorized officer** Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Rattenberger, B Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No PCT/IB2004/050806

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002092173	A1	18-07-2002	CN	1404432 T	19-03-2003
03 2002032173	***	20 0/ 2002	EP	1353782 A1	22-10-2003
			WO	02051598 A1	04-07-2002
US 2002004986	A1	17-01-2002	DE	19907025 A1	31-08-2000
	***	2, 02 2002	ĀT	235995 T	15-04-2003
			CN	1104309 B	02-04-2003
			DE	59904892 D1	08-05-2003
			WO	0048798 A1	24-08-2000
			EP	1152870 A1	14-11-2001
			ES.	2196886 T3	16-12-2003
			JP	2002537044 T	05-11-2002
			PT	1152870 T	31-07-2003
US 2002083591	 A1	04-07-2002	CN	1398215 T	19-02-2003
	~-	04 07 2002	WO	0245920 A1	13-06-2002
			EP	1255628 A1	13-11-2002
			JΡ	2004515283 T	27-05-2004
US 2183554		19-12-1939	NONE		